

AMENDMENTS TO THE CLAIMS

This listing of claims replaces all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) In a computing system that is in communication with a plurality of applications that are configured to utilize contact information to initiate communication with a contact, a method for providing a contact management system for managing contacts and their corresponding contact information for use by the plurality of applications, the method comprising:

creating a plurality of contacts having contact information that can be utilized by the plurality of applications, such that ~~the one or more~~ plurality of applications can utilize the contact information to initiate network communication with the plurality of contacts;

storing the contacts in a centralized contact store that is accessible to the computing system;

providing a contact interface displaying to a user contact information corresponding to one or more of the plurality of contacts, the contact interface being configured to launch at least one of the plurality of applications to initiate network communication with a contact;

launching an application in response to user selection at the contact interface;

~~upon receiving a request from at least one of the applications for access to a contact and corresponding contact information, providing the at least one of the applications access to the contact and corresponding contact information through the contact interface or one or more other interfaces, wherein the at least one application makes the request for access in response to user selection; and~~

enabling the ~~at least one of the~~ applications to retrieve the contact information from the contact store and utilize the contact information to initiate network communication with the contact.

2. (Original) A method as recited in claim 1, wherein the one or more interfaces prevent the at least one of the applications from having direct access to the contacts and corresponding contact information in the contact store.

3. (Original) A method as recited in claim 2, wherein the interfaces further provide a security mechanism for preventing the at least one of the applications from accessing contacts and corresponding contact information that a corresponding user of the computing system has not authorized.

4. (Original) A method as recited in claim 3, wherein the corresponding user is a logged on user of the computing system.

5. (Original) A method as recited in claim 1, wherein enabling the at least one of the applications to utilize the contact includes enabling the at least one of the applications to update the contact information of the contact within the contact store.

6. (Original) A method as recited in claim 5, wherein the contact information is updated by syncing the contact information in the contact store with contact information provided by the at least one of the applications.

7. (Original) A method as recited in claim 1, wherein enabling the at least one of the applications to utilize the contact includes updating contact information stored by the at least one of the applications in an application store with the corresponding contact information from the contact store.

8. (Original) A method as recited in claim 1, wherein enabling the at least one of the applications to utilize the contact includes enabling the contact to be sent to another store of another computing system.

9. (Currently Amended) A method as recited in claim 1, wherein enabling the at least one of the applications to utilize the contact includes enabling the at least one of the ~~a plurality of~~ heterogeneous applications to ~~modifying~~ modify the contact.

10. (Original) A method as recited in claim 9, wherein modifying the contact includes modifying an attribute associated with the contact.

11. (Original) A method as recited in claim 1, wherein enabling the at least one of the applications to utilize the contact includes enabling the at least one of the applications to create an association between the contact and at least one other contact.

12. (Original) A method as recited in claim 1, wherein enabling the at least one of the applications to utilize the contact includes enabling the at least one of the applications to initiate a communication by using the contact information associated with the contact.

13. (Original) A method as recited in claim 12, wherein the communication includes at least one of an e-mail, a telephony session, an RTC session, an instant message, a facsimile, a telephone message and a pager notification.

14. (Original) A method as recited in claim 1, wherein creating the contact includes merging contact information corresponding to a single person and that is obtained from a plurality of sources into a single contact.

15. (Original) A method as recited in claim 1, wherein the contact comprises a data structure having a plurality of fields that contain different contact information, and wherein the one or more applications are configured to utilize contact information from different fields of the contact data structure.

16. (Original) A method as recited in claim 1, wherein the at least one of the applications is hosted by the computing system.

17. (Original) A method as recited in claim 1, wherein creating the contact includes enabling the user to set constraints that control how the contact can at least one of be accessed and utilized by applications.

18. (Original) A method as recited in claim 1, wherein the one or more interfaces includes an interface for enabling a user to select portions of the contact information that will be made accessible to the at least one of the applications.

19. (Original) A method as recited in claim 1, wherein the one or more interfaces includes an interface for enabling a user to select the contact from a plurality of available contacts.

20. (Currently Amended) A computer program product for use in a computing system that is in communication with a plurality of applications that are configured to utilize contact information to initiate communication with a contact, the computer program product comprising one or more computer-readable media having computer-executable instructions for implementing a method for providing a contact management system for managing contacts and their corresponding contact information for use by the plurality of applications, the method comprising:

creating a plurality of contacts having contact information that can be utilized by the plurality of applications, such that the ~~one or more~~plurality of applications can utilize the contact information to initiate network communication with the plurality of contacts;

storing the contacts in a centralized contact store that is accessible to the computing system;

providing a contact interface displaying to a user contact information corresponding to one or more of the plurality of contacts, the contact interface being configured to launch at least one of the plurality of applications to initiate network communication with a contact;

launching an application in response to user selection at the contact interface;

~~upon receiving a request from at least one of the applications for access to a contact and corresponding contact information, providing the at least one of the applications access to the contact and corresponding contact information through the contact interface or one or more other interfaces, wherein the at least one application makes the request for access in response to user selection; and~~

enabling the ~~at least one of the~~ applications to retrieve the contact information from the contact store and utilize the contact information to initiate network communication with the contact.

21. (Original) A computer program product as recited in claim 20, wherein the one or more interfaces prevent the at least one of the applications from having direct access to the contacts and corresponding contact information in the contact store.

22. (Original) A computer program product as recited in claim 21, wherein the interfaces further provide a security mechanism for preventing the at least one of the applications from accessing contacts and corresponding contact information that a corresponding user of the computing system has not authorized.

23. (Original) A computer program product as recited in claim 20, wherein enabling the at least one of the applications to utilize the contact includes enabling the at least one of the applications to update the contact information of the contact within the contact store.

24. (Original) A computer program product as recited in claim 20, wherein enabling the at least one of the applications to utilize the contact includes updating contact information stored by the at least one of the applications in an application store with the corresponding contact information from the contact store.

25. (Original) A computer program product as recited in claim 20, wherein enabling the at least one of the applications to utilize the contact includes enabling the contact to be sent to another store of another computing system.

26. (Original) A computer program product as recited in claim 20, wherein enabling the at least one of the applications to utilize the contact includes enabling the at least one of the applications to modifying the contact.

27. (Original) A computer program product as recited in claim 20, wherein enabling the at least one of the applications to utilize the contact includes enabling the at least one of the applications to create an association between the contact and at least one other contact.

28. (Original) A computer program product as recited in claim 20, wherein enabling the at least one of the applications to utilize the contact includes enabling the at least one of the applications to initiate a communication by using the contact information associated with the contact.

29. (Original) A computer program product as recited in claim 20, wherein creating the contact includes merging contact information corresponding to a single person and that is obtained from a plurality of sources into a single contact.

30. (Original) A computer program product as recited in claim 20, wherein the contact comprises a data structure having a plurality of fields that contain different contact information, and wherein the one or more applications are configured to utilize contact information from different fields of the contact data structure.

31. (Original) A computer program product as recited in claim 20, wherein the at least one of the applications is hosted by the computing system.

32. (Original) A computer program product as recited in claim 20, wherein creating the contact includes enabling the user to set constraints that control how the contact can at least one of be accessed and utilized by applications.

33. (Original) A computer program product as recited in claim 20, wherein the one or more interfaces includes an interface for enabling a user to select portions of the contact information that will be made accessible to the one or more applications.

34. (Currently Amended) In a computing system that includes a contact store storing at least one contact, the contact comprising contact information that can be utilized differently by heterogeneous applications that are in communication with the computing system, the heterogeneous applications having application contact directories that are maintained independently of the contact store and that defines the at least one contact, a method for providing a contact management system for managing contacts and their corresponding contact information for use by the heterogeneous applications, the method comprising:

creating one or more contacts having contact information that can be utilized differently by at least two heterogeneous applications, wherein a plurality of the heterogeneous applications can utilize the contact information to initiate network communication with the plurality of contacts;

storing the contacts in a centralized contact store that is accessible to the computing system;

modifying contact information for at least one of the contacts in the contact store;

upon modifying the contact information, automatically updating corresponding contact information in at least one application contact directory of at least one of the heterogeneous applications to correspond with the modified contact information in the contact store, and such that the at least one application is able to access the updated contact information without having to request the updated contact information from the contact store; and

providing a contact interface for displaying contact information to a user, the contact information corresponding to one or more contacts and the contact interface being configured to launch at least one of the plurality of heterogeneous applications in response to user selection at the contact interface; and

enabling the plurality of heterogeneous applications which can utilize the contact information to initiate network communication with the plurality of contacts to retrieve the updated contact information from a corresponding application contact directory without having to request the updated contact information from the contact store in response to user selection and to utilize the updated contact information to initiate network communication with a contact using an application launched from the contact interface.

35. (Original) A method as recited in claim 34, wherein modifying the contact information includes modifying content of the contact information.

36. (Original) A method as recited in claim 35, wherein modifying the contact information is performed by a local application hosted by the computing system.

37. (Currently Amended) A computer program product for use in a computing system that includes a contact store storing at least one contact, the contact comprising contact information that can be utilized differently by heterogeneous applications that are in communication with the computing system, the heterogeneous applications having application contact directories that are maintained independently of the contact store and that defines the at least one contact, the computer program product comprising one or more computer-readable media having computer-executable instructions for implementing a method for providing a contact management system for managing contacts and their corresponding contact information for use by the heterogeneous applications, the method comprising:

creating one or more contacts having contact information that can be utilized differently by at least two heterogeneous applications, wherein a plurality of the heterogeneous applications can utilize the contact information to initiate network communication with the plurality of contacts;

storing the contacts in a centralized contact store that is accessible to the computing system;

modifying contact information for at least one of the contacts in the contact store;

upon modifying the contact information, automatically updating corresponding contact information in at least one application contact directory of at least one of the heterogeneous applications to correspond with the modified contact information in the contact store, and such that the at least one application is able to access the updated contact information without having to request the updated contact information from the contact store; and

providing a contact interface for displaying contact information to a user, the contact information corresponding to one or more contacts and the contact interface being configured to launch at least one of the plurality of heterogeneous applications in response to user selection at the contact interface; and

enabling the plurality of heterogeneous applications which can utilize the contact information to initiate network communication with the plurality of contacts to retrieve the updated contact information from a corresponding application contact directory without having to request the updated contact information from the contact store in response to user selection and to utilize the updated contact information to initiate network communication with a contact using an application launched from the contact interface.

38. (Original) A computer program product as recited in claim 37, wherein modifying the contact information includes modifying content of the contact information.

39. (Original) A computer program product as recited in claim 37, wherein modifying the contact information is performed by a local application hosted by the computing system.

40. (Cancelled).

41. (Previously Presented) A method as recited in claim 1, further comprising filtering the plurality of contacts in the contact store to display a subset of the contacts, wherein said plurality of contacts are filtered according to one or more criteria selected from a group consisting of: name, phone number address, keyword, online status, application capabilities, communication device capabilities, communication frequency, last selected contact, geographic location, emotional status, communication device status, and contact persona.

42. (New) A method as recited in claim 1, wherein the contact interface lists a plurality of actions which can be taken to establish network communication with the one or more contacts, the plurality of actions being filtered based on the available contact information such that sufficient contact information exists to take each of the listed actions.